

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

olicant:

Vincent Fischetti et al.

Appl. No.:

09/960,472

Group Art Unit: 1652

Filing Date:

September 21, 2001

Examiner: STEADMAN, DAVID J

Title:

Bacterial Phage Associated Lysing Enzymes for the Prophylactic and PECEIVED

JUN 1 2 2003

TECH CENTER 1600/2900

Therapeutic Treatment of Colonization and Infections Caused by

Streptococcus Pneumoniae

#### INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR §1.56 and 37 CFR §1.97

Commissioner for Patents Washington, D.C. 20231

Sir:

Submitted herewith on Form PTO/SB/08A is a listing of documents known to applicants in order to comply with applicants' duty of disclosure pursuant to 37 C.F.R. §1.56 and §1.97. A copy of each of the listed documents is being submitted to comply with the provisions of 37 C.F.R. §1.97-1.99.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or is considered to be material to patentability as defined in 37 C.F.R. §1.56(b). Applicants do not waive any rights to take any action that would be appropriate to antedate or otherwise remove as a competent reference any document that is determined to be a prima facie prior art reference against the claims of the present application.

The instant Information Disclosure Statement is being filed in compliance with 37 CFR §1.97(b) prior to the mailing date of the first official action, therefore, no fee is required in connection with its filing. However, the Commissioner is hereby authorized to charge any deficiency or to credit any overpayment to Deposit Account No. 08-1641.

U.S. Serial No.: 09/960,472

In re Vincent Fischetti et al.

Attached as Appendix A is a list of all patents and applications filed by the present inventive entity relating to phage associated lytic enzymes and their uses. The listed U.S. patents are cited in the attached form SB/08A.

Attached herewith as Appendices 1-6 are copies of International Search Reports received in PCT applications corresponding to applications listed in Appendix A. For the Examiner's convenience, the cover sheet and claims for each of the PCT applications are also provided.

Applicants respectfully request that the listed documents be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08A be returned in accordance with M.P.E.P. §609.

By

Colin G. Sandercock

Respectfully submitted,

Registration No. 31,298

Date: 6.10.03

HELLER EHRMAN WHITE &

MCAULIFFE

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(202) 912-2020

Serial No.	Filing Date	Patent No.	Issue Date
07/621,716	June 18, 1984	4,784,948	November 15, 1988
09/257,025	February 25, 1999	6,017,528	January 25, 2000
09/257,026	February 25, 1999	5,985,271	November 16, 1999
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09/395,636	September 14, 1999	6,056,954	May 2, 2000
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#### Appendix A

Serial No.	Filing Date	Patent No.	Issue Date
09/703,686	November 2, 2000		
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#### Appendix A

Serial No.	Filing Date	Patent No.	Issue Date
10/219,251	August 16, 2002		
10/252,031	September 23, 2002		
60/324,089	September 24, 2001		
60/380,875	May 17, 2002		

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PTO/SB/08A (10-01) Approved for use through 10/31/2002. OMB 0651-0031

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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09/21/01

Vincent Fischetti

1652

David J. Steadman FCH CENTED 1600/2900 Complete if Known Application Number Filing Date First Named Inventor Group Art Unit **Examiner Name** Attorney Docket Number

			U.S. PATENT	OCUMENTS	
Examiner	Cite	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
Initials * No.'	No.1	Number - Kind Code <sup>2</sup> (if known)		Fischetti, et al.	Figures Appear
	1	US- 6056954	05/02/00		
	2	US- 5997862	12/07/99	Fischetti, et al.	
	3	US- 5985271	11/16/99	Fischetti, et al.	
	4	US- 5688501	11/18/97	Merril, et al.	
	5	US- 4742981	05/10/88	Converse	
	+ 6	US- 2019789	11/05/35	Mahannah	
	1 7	US- 2763931	09/25/56	McMillan	
	_ <del>-</del>	US- 5479732	01/02/96	Burtch, et al.	
	8	US- 3465445	09/09/69	Fisher	
	9	US- 2315260	03/30/43	Lancaster	
	10	US- 5604109	02/18/97	Fischetti, et al.	
	11	US- 5260292	11/09/93	Robinson, et al.	
	12	US- 4957686	09/18/90	Norris	
	13	US- 6017528	01/25/00	Fischetti, et al.	
	14	US-6132970	10/17/00	Stemmer	
	15	US- 3852424	12/03/74	Gaeumann, et al.	
	16		07/24/01	Fischetti, et al.	
	17	US- 6264945	07/03/01	Fischetti, et al.	
	18	US- 6254866	06/19/01	Fischetti, et al.	
	19	US- 6248324	05/29/01	Fischetti, et al.	
	20	US- 6238661	03/29/01		

		FOREIGN PA	TENT DOCU	MENIS	Pages, Columns, Lines,	
Examiner	Cite	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited	Where Relevant Passages or Relevant	T <sup>6</sup>
Initials*	No.1	Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)	MM-DD-YYYY	Document	Figures Appear	
	21	EP-0510907 A 2	10/28/92	Agricultural & Food Res.		
	22	WO-9702351	01/23/97	CIBA Geigy AG, et al.		
	23	WO-9607329	03/14/96	Univ. Maryland		
	24	WO-9904809	02/04/99	Ambi, Inc.		
	25	FR-2357246	02/03/78	Martinez		<del> </del>
	26	WO-9531562	11/23/95	Quest Inernational B.V.		
	27	EP-587541 A1	03/16/94	Tecnogen ScpA		├
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup> Applicant's unique citation designation number (optional) . <sup>2</sup> See Kinds Codes of USPTO Patent Documents at <u>www.uspto.gov</u> or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are

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Application Number	09/960,472	
Filing Date	09/21/01	
First Named Inventor	Vincent Fischetti	
Group Art Unit	1652	
Examiner Name	David J. Steadman	
Attorney Docket Number		

			OCUMENTS  Nome of Patentee or Applicant of	
Cite	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant
No.1	Number - Kind Code <sup>2</sup> (if known)	MM-DD-YYYY		Figures Appear
28	US- 6056955	05/02/00		4.
	US- 5882631	03/16/99		
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		09/28/76	Schmitt	
		12/05/89	Shaar, et al.	ļ
		01/23/01	Woo, et al.	
		02/13/01	Clackson, et al.	
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		01/01/02	Fischetti, et al.	
<del></del>		12/04/01	Fischetti, et al.	
		08/21/01	Fischetti, et al.	
<del></del>		12/13/77	Davies	
<u> </u>		11/05/96	Chu, et al.	
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			Baker, et al.	<u> </u>
<u></u>			Kidwell, et al.	
			Deutsch, et al.	
46			Ching, et al.	
	No.1  28  29  30  31  32  33  34  35  36  37  38  39  40  41  42  43  44  45	No.¹ Number - Kind Code² (if known)  28 US- 6056955  29 US- 5882631  30 US- 5741487  31 US- 6113887  32 US- 4122158  33 US- 3983209  34 US- 4885163  35 US- 6177554  36 US- 6187757  37 US- 5162226  38 US- 6335012  39 US- 6326002  40 US- 6277399  41 US- 4062941  42 US- 5571667  43 US- 5514602  44 US- 5500350  45 US- 5384265  46 US- 4361537	No. Number - Kind Code <sup>2</sup> (if known)  28  US- 6056955	No.¹         Number - Kind Code² (if known)           28         US- 6056955         05/02/00         Fischetti, et al.           29         US- 5882631         03/16/99         Suga, et al.           30         US- 5741487         04/21/98         Asai, et al.           31         US- 6113887         09/05/00         Mori, et al.           32         US- 4122158         10/24/78         Schmitt           33         US- 3983209         09/28/76         Schmitt           34         US- 4885163         12/05/89         Shaar, et al.           35         US- 6177554         01/23/01         Woo, et al.           36         US- 6187757         02/13/01         Clackson, et al.           37         US- 5162226         11/10/92         Beachey, et al.           38         US- 6335012         01/01/02         Fischetti, et al.           39         US- 6326002         12/04/01         Fischetti, et al.           40         US- 6277399         08/21/01         Fischetti, et al.           41         US- 4062941         12/13/77         Davies           42         US- 5571667         11/05/96         Chu, et al.           43         US- 5500350         03/19/96

		FOREIGN PA	TENT DOCU	MENIS	Pages, Columns, Lines,	
		Foreign Patent Document	Publication	Name of Patentee or	Where Relevant	
Examiner Initials*	Cite No.1	Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)	Date MM-DD-YYYY	Applicant of Cited  Document	Passages or Relevant Figures Appear	T <sup>6</sup>
	48	WO-9323544	11/25/93	The University Court of the University of Glasgow		
	49	EP-0293249 A1	11/30/88	Amrad Corporation Limited		
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Sheet 3 of 11

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Application Number	09/960,472
Filing Date	09/21/01
First Named Inventor	Vincent Fischetti
Group Art Unit	1652
Examiner Name	David J. Steadman
Attorney Docket Number	

			U.S. PATENT D	OCUMENTS	
		Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant
Examiner Initials *	Cite No.1	Number - Kind Code <sup>2</sup> (if known)	MM-DD-YYYY		Passages of Relevant Figures Appear
	52	US-4948726	08/14/90	Longoria	
	53	US- 4459361	07/10/84	Gefter	
	54	US- 4552839	11/12/85	Gould, et al.	JUN 1 9
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	65	US- 4355022	10/19/82	Rabussay Vidra, et al.	
	66	US- 4115546	09/19/78		
	67	US- 4116327	09/26/78	Eglinton, et al. Hirsch, et al.	
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<b> </b>	71	US- 5079174	01/07/92	Buck, et al.	

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Examiner Initials*	Cite No.1	Foreign Patent Document  Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> ( <i>if known</i> )	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	T <sup>8</sup>
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<sup>&</sup>lt;sup>1</sup> Applicant's unique citation designation number (optional) . <sup>2</sup> See Kinds Codes of USPTO Patent Documents at <a href="www.uspto.gov">www.uspto.gov</a> or MPEP 901.04.

<sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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		Document Number	Publication Date	Cited Document	Passages or Relevant	
Examiner Initials *	Cite No.1	Number - Kind Code <sup>2</sup> (if known)	MM-DD-YYYY		Figures Appear  REC	
	72	US- 5604110	02/18/97	Baker, et al.		
	73	US- 5294369	03/15/94	Shigekawa, et al.		-//
	74	US- 5372931	12/13/94	Friedman, et al.	1/14	
	75	US- 4933185	06/12/90	Wheatley, et al.	T V	200
	76	US- 5108758	04/28/92	Allwood, et al.	TEOU	200,
	77	US- 4713249	12/15/87	Schroder	FUH CENTER	
	78	US- 4812445	03/14/89	Eden, et al.	TECH CENTER	ใกกก
	79	US- 3622677	11/23/71	Short, et al.		VUU/
	80	US- 4369308	01/18/83	Trubiano		
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Substitute for form 1449A/PTO	Application Number	09/960,472	FILE
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STATEMENT BY APPLICANT	First Named Inventor	Vincent Fischetti JUN 1	<b>b</b> 20.
STATEMENT BY AFT LIGARY	Group Art Unit	1652	<b>3</b> 2003
		David J. Steadman SCH CFATE	
(use as many sheets as necessary)	Examiner Name	David G. Glodaman GIT CENTER	1600/000
Sheet 5 of 11	Attorney Docket Number	<u> </u>	· 1000/2900

		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	
Examiner	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue the item (book, magazine, journal, serial, symposium, catalog, etc.), publisher, city and/or country where published.	T²
Initials *	82	KH Nasibulini et al; RU-2103991; Composition for treating streptococcal diseases - comprises puritied concentrate of streptococcal bacteriophage, solution of quinsosol, dry lanolin, albumin and vegetable oil; XP-002141110	
	83	LD Demidova et al; RU2064299; Cattle mastitis therapeutic preparation - comprises lyso: amidase of specific lytic activity and mono- and di-basic sodium phosphate(s); XP-002141111	
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First Named Inventor	Vincent Fischetti	JUN 7 2
Group Art Unit	1652	2003
Examiner Name	David J. Steadman	H CENTER !
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### INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Vincent Fischetti
1652
David J. Steadman ECH CENTER 1600/2900 Complete if Known Application Number Filing Date First Named Inventor Group Art Unit **Examiner Name** Attorney Docket Number

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